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F 16 M 7/00, G 03 B 41/00**

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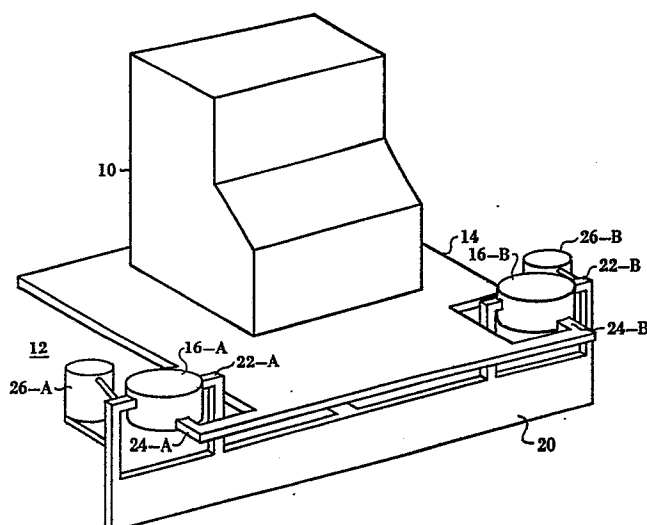
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Improved shock and vibration isolation system.

A shock and vibration isolation system (12) having a plurality of isolators (16A, B, C) supporting a utilization device is disclosed. Each isolator has two gas driven pistons (38, 47), pivotally mounted in a frame and is connected to an accumulator/controller (20) that supplies controlled amounts of pressurized gas. A sensor (52) in each isolator senses the position of the utilization device with respect to a base sitting on the ground, and the accumulator/controller adds gas to or exhausts gas from the piston to counteract changes in position detected by the sensor. An electric control circuit (54) is connected between the sensor and the accumulator/controller to supply a properly compensated signal from the sensor to control the accumulator/controller.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. ³)
A	FR-A-2 407 510 (BRITISH RAILROAD BOARD) * Whole document *	1,5	F 16 F 15/04 G 12 B 5/00 F 16 M 7/00 G 03 B 41/00
A	--- US-A-3 701 499 (SCHUBERT) * Column 3, line 61 - column 11, line 55; figures 1-3 *	1,4-6	
A	--- US-A-3 703 999 (FORYS) * Column 3, line 3 - column 8, line 38; figures 1-6 *	1,4,5	
A	--- US-A-3 606 233 (SCHARTOM) * Column 4, line 60 - column 9, line 7; figures 1-7 *	1	
A	--- PATENTS ABSTRACTS OF JAPAN, vol. 1, no. 141, 17th November 1977, page 4946M77 & JP - A - 52 81823 (TOYOTA CHUO KENKYUSHO K.K.) 08-07-1977	1	TECHNICAL FIELDS SEARCHED (Int. Cl. ³) G 03 B F 16 F G 12 B B 60 G
A	--- US-A-4 033 541 (MALUEG)		
A	--- US-A-3 807 678 (KARMOPP)		
A	--- US-A-3 606 365 (STRONG) -----		
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 27-03-1984	Examiner ESPEEL R.P.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			